CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005

T-2377

Job No.: CTCE/BBMP/W.No10/KVS/CSR-03/1110d/CEMENT/2015-16 Date: 01.04.2016

TEST REPORT ON CEMENT

*** CUSTOMER**	:	**Asst. Executive Engineer**, Vidyaranyapura Sub Division, BBMP, Bangalore.
***AGENCY**	:	**Mr. K.V. Subbareddy,** No. 106/B, Ashwathnagara, RMV 2nd stage, Bangalore-94
***NAME OF THE WORK**	:	Construction of missing covering slab in Chamundeswari Layout and Nanjappa Layout in Ward No.10 (Doddabommasandra), Vidyaranyapura Sub Division., BBMP, Bangalore.
***REFERENCE**	:	EE/BTP/E-PMT/227/2015-16 Dated: 25.02.2016
SAMPLE ID	:	Cement
SAMPLE RECEIVED ON	:	30.03.2016
PERIOD OF TESTING	:	30.03.2016 to 01.04.2016

The results of the tests conducted on the cement sample are as follows:

Sl. No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 8112-2013
1	Standard Consistency	IS-4031 (Part -4) 1988(RA-2009)	29.00 %	-
2	a) Initial Setting Time	IS-4031 (Part -5) 1988(RA-2009)	160 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5) 1988(RA-2009)	480 Minutes	Not More than 600 Minutes
3	Soundness by Le Chartlier Method	IS-4031 (Part-3) 1988(RA-2009)	1 mm	Not more than 10mm

*Information is furnished by the Customer/Representative.

Note:

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⇒ Any Query regarding the report must be reported within 30 days from the date of testing.

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VISHWANATH. I.A.
Chief Executive Officer

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.
Tele Fax : 23223227, Website : www.civiltechconsultants.com
E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

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Job No.: CTCE/BBMP/W.No10/KVS/CSR-03/1110d/CUBE/2015-16 16.05.2016

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

*** Customer** : **Asst. Executive Engineer,** Vidyaranyapura Sub Division, BBMP, Bangalore.

*** Agency** : **Mr. K.V. Subbareddy,**
No. 106/B, Ashwathnagara, RMV 2nd stage, Bangalore-94

*** Name of the work** : Construction of missing covering slab in Chamundeswari Layout and Nanjappa Layout in Ward No.10 (Doddabommasandra), Vidyaranyapura Sub Division., BBMP, Bangalore.

*** Reference** :EE/BTP/E-PMT/227/2015-16 Dated: 25.02.2016

*** Sample ID** : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

*** Grade of Concrete** : M_{15}

Compressive Strength as o : 28^{th} day

Sample Received on : 16.05.2016

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	18.04.2016	16.05.2016	8.150	365.6	16.25
2	18.04.2016	16.05.2016	8.200	375.9	16.71
3	18.04.2016	16.05.2016	8.215	385.3	17.12

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*** Sample ID** : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

*** Grade of Concrete** : M_{15}

Compressive Strength as o : 28^{th} day

Sample Received on : 16.05.2016

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	18.04.2016	16.05.2016	8.188	366.6	16.29
2	18.04.2016	16.05.2016	8.210	379.3	16.86
3	18.04.2016	16.05.2016	8.250	388.1	17.25

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Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

*** Grade of Concrete** : M_{15}

Compressive Strength as o : 28^{th} day

Sample Received on : 16.05.2016

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	18.04.2016	16.05.2016	8.160	371.2	16.50
2	18.04.2016	16.05.2016	8.180	381.6	16.96
3	18.04.2016	16.05.2016	8.210	388.6	17.27

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*** Grade of Concrete** : M_{15}

Compressive Strength as o : 28^{th} day

Sample Received on : 16.05.2016

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	18.04.2016	16.05.2016	8.180	373.2	16.59
2	18.04.2016	16.05.2016	8.220	385.2	17.12
3	18.04.2016	16.05.2016	8.230	389.6	17.32

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